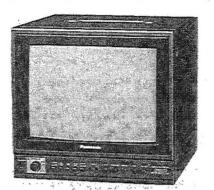
ORDER NO. KME8703066A1

Service Man



Color Video Monitor

BT-S1000N

Chassis No. KMX-F104A

Retain on file with CT-1030M/CT-1030MC Main Manual.

Model BT-S1000N is the same as models CT-1030M/CT-1030MC except specified herein. For complete service informations, refer to above Service Manual (ORDER NO. KME8611062C1).

The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

Quality Engineering:

Feature

Picture Tube:

Dimensions:

Weight:

Specifications

Power Input:

120 volts, AC, 50/60 Hz

12 volt DC, 5A

Power Consumption:

AC-46W (Average), DC-46W (Average)

Video Input (Bridging):

 $1.0 \text{Vp-p} \pm 10\%$

High or 75Ω automatic

BNC type bridging and 8-pin

connectors

Audio Input (Bridging):

RCA type bridging and 8-pin

connectors

External Sync Input:

(Bridging)

2.0 ~ 4.0 Vp-p, negative composite

High or 75Ω automatic

BNC type bridging connectors

Semiconductors:

43 transistors 66 diodes 1 posistor 9 ICs

Anode Voltage:

 $23.5 \, kV \pm 1 \, kV$

(at zero beam current)

Sound Output:

1.0 watt (10% distortion)

1.2 watts maximum

Speaker:

2-1/2 inches Round Type

Voice Coil 16Ω

Automatic Circuits:

Automatic Impedance Switch

Automatic Frequency and Phase

Control

Horizontal Automatic Frequency

Control

Automatic degaussing Automatic Voltage Regulator

Automatic Beam Limiter Automatic Color Control

Mode Selector Switch (VTR/LINE, Underscan, Pulse

Cross, Blue Only, Comb/Trap)

Sync Switch

Vertical Centering Control Horizontal Centering Control

Vertical Size Control

(Normal/Underscan Modes) Horizontal Size Control (Underscan Mode) Vertical Position Control (Pulse Cross Mode) Horizontal Position Control

(Pulse Cross Mode) AC/DC Operation

A26JGZ31X 52 Square inches 10 inches measured diagonally

90° deflection, In-Line 10-13/16 inches (275 mm)

Height: 11-3/16 inches (284 mm) Width:

12-11/16 inches (322 mm) Depth:

19-1/4 lbs. (9.2 kg)

Specifications are subject to change without notice. Weight and dimensions shown are approximate.

Panasonic.

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THIS MODEL COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.

IMPORTANT SAFETY NOTICE

There are special components used in Panasonic Video Monitor sets which are important for safety. These parts are shaded on the schematic diagram and on the replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of Panasonic Industrial Company.

ABBREVIATIONS USED IN THIS MANUAL

ABL	Automatic Beam Limiter	AVR	Automatic Voltage Regulator
APC	Automatic Phase Control	CRT	Cathode Ray Tube
DY	Deflection Yoke	FBT	Flyback Transformer
OTL	Output Transformerless	HAFC	Horizontal Automatic Frequency Control
SEPP	Single Ended Push-Pull Circuit	ACC	Automatic Color Control

SAFETY PRECAUTIONS

GENERAL GUIDELINES

- It is advisable to insert an isolation transformer in the power line and AC supply before servicing a hot chassis.
- When servicing, observe the original lead dress, especially
 the lead dress in the high voltage circuits. If a short
 circuit is found, replace all parts which have been
 overheated or damaged by the short circuit.
- After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shields, and isolation C-R combinations, are properly installed.
- 4. Before turning the monitor on, measure the resistance between B+ line and chassis ground. Connect ⊕ side of an ohmmeter to the B+ lines, and ⊕ side to chassis ground. Each line should have more resistance than specified, as follows:

Minimum Resistance	
56kΩ	
28kΩ	
100kΩ	
280 Ω	
	56kΩ 28kΩ 100kΩ

- When the monitor is not to be used for a long period of time, unplug the power cord from the AC outlet.
- 6. Potentials, as high as 23.5 kV are present when this monitor is in operation. Operation of the monitor without the rear cover involves the danger of a shock hazard from the monitor power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the monitor chassis before handling the tube.
- After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

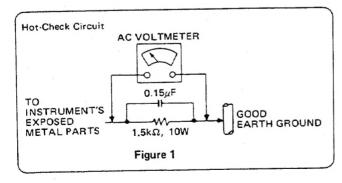
- Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 2. Turn on the monitor's power switch.
- Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the monitor, such as screwheads, connectors, control shafts, handle bracket, etc.

When the exposed metallic part has a return path to the chassis, the reading should be between 240 k Ω and 5.2M Ω .

When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

LEAKAGE CURRENT HOT CHECK (See figure 1.)

- Plug the AC cord directly into the AC outlet. DO NOT use an isolation transformer for this check.
- 2. Connect a 1.5 k Ω , 10 watts resistor, in parallel with a 0.15 μ F capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in figure 1.
- 3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
- 4. Check each exposed metallic part, and measure the voltage at each point.
- 5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
- 6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot check. Leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the monitor should be repaired and rechecked before it is returned to the customer.



X-RADIATION

WARNING: 1. The potential source of X-Radiation in TV sets is the High Voltage section and the picture tube.

 When using a picture tube test jig for service, make sure that the jig is capable of handling 24.5 kV without causing X-Radiation.

Note: It is important to use an accurate, periodically calibrated high voltage meter.

- Turn Brightness and Contrast controls fully counterclockwise.
- 2. Set SERVICE switch to SERVICE position.
- 3. Measure the high voltage. The high voltage meter (electrostatic type) reading should indicate 23.5 kV ± 1.0 kV. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
- 4. To prevent an X-Radiation possibility, it is essential to use the specified picture tube.
- To prevent exposure to X-Radiation, the picture tube shield must be kept in place with power applied to the set.

HORIZONTAL OSC. DISABLE CIRCUIT TEST

SERVICE WARNING: This test must be made as a final check before the monitor is returned to the customer after repairs are made.

- With rear cover removed, supply nominal 120V AC to the monitor and turn on power switch.
- 2. Adjust customer controls to normal position.
- Short TP92 and TP93 on main PCB with a jumper wire.
 Confirm that the picture becomes dark and goes out of horizontal sync.
- If the test fails, Horizontal Osc. Disable Circuit is not operating and must be repaired. Refer to the Horizontal Osc. Disable Circuit Repair Procedure.

HORIZONTAL OSC. DISABLE CIRCUIT REPAIR PROCEDURE

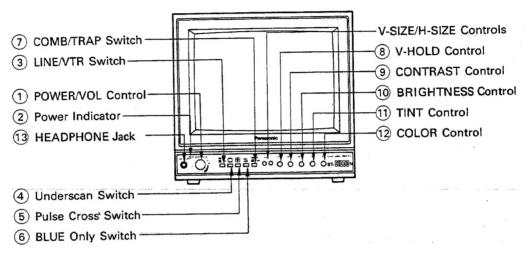
- Connect a DC voltmeter between the cathode of D510 and chassis ground of the main circuit board. If approximately 19V is not present on the cathode of D510, find the cause. Check R529, D510 and C525.
- 2) Connect a DC voltmeter between the cathode of D512 and chassis ground of the main circuit board. If approximately 10V is not present on the cathode of D512, find the cause. Check R524, R523 and D511.
- 3) Repeat step 2) procedure. If approximately 10V is present on the cathode, check D512, R522, Q504, R521 and IC401.
- 4) Carefully check above specified parts, and related circuits and parts. When the circuit is repaired, try the Horizontal Osc. Disable Circuit Test again.

MAJOR DIFFERENCES BETWEEN CT-1030M AND BT-S1000N

Items	СТ-1030М	BT-\$1000N
DC Operation	<u> </u>	Available
Circuit Board-B		TNP100306ZA
DC Power Socket		TJS169410
Power/Volume Control	EVVGU5F25B14	EVVGU8F25B14
Underscan Circuit	·	Available
Pulse Cross Circuit		Available
Circuit Board-X		TNP100312ZA
Blue Only Circuit		Available
Terminal Board	TJB13610	TJB13611
External Sync In/Out		Available
External Sync Switch		Available
Circuit Board-A	TNP190018ZA	TNP190018CD
Circuit Board-C	TNP100307ZA	TNP100307CD
Circuit Board-L	TNP100311ZA	TNP100311CD
Instruction Bag	TQB511101	TQB511103
Front Cabinet	TKE1312A01	TKE1312A02
Back Cabinet	TKU136700-1	TKU136701-1
Packing Case	TPC1310601	TPC1310701

BASIC OPERATING INSTRUCTIONS

CONTROL LOCATIONS [Front View]



CONTROLS AND THEIR FUNCTIONS

Note: V-HOLD, CONTRAST, BRIGHTNESS, TINT and COLOR controls are equipped with "push-lock" switches. In the locked position, the controls are protected from being moved, and in the projected position, they can be easily touched up.

① POWER/VOL Control

- Turn clockwise to turn the monitor on.
 Turn counterclockwise to turn the monitor off.
- 2. Adjust this control for the appropriate audio level.

2 Power Indicator

The Power Indicator will light when the monitor is turned on.

(3) LINE/VTR Switch

LINE: Receives video and audio signal from the VIDEO IN and AUDIO IN terminals.

VTR: Receives video and audio signal from the VTR terminal.

4 Underscan Switch ()

Decreases the overall picture size to allow the corners to be seen.

⑤ Pulse Cross Switch (⊞)

Receives cross pulse to allow vertical and horizontal syncs to be seen in the picture.

6 BLUE Only Switch (BLUE)

Defeats the red and green signals. This feature is used for monitor balancing with the SMPTE color bar signal.

(7) COMB/TRAP Switch

Push the COMB/TRAP Switch for trap filter function. Push again for comb filter function.

8 V-HOLD Control

Adjust the V-HOLD control if the picture rolls up or down.

9 CONTRAST Control

Adjust the contrast level for proper overall contrast. There is a click position for normal level.

10 BRIGHTNESS Control

Adjust Brightness level for proper overall picture brightness.

There is a click position for normal level.

11 TINT Control

Adjust the Tint control for proper chroma phase of flesh tones.

(12) COLOR Control

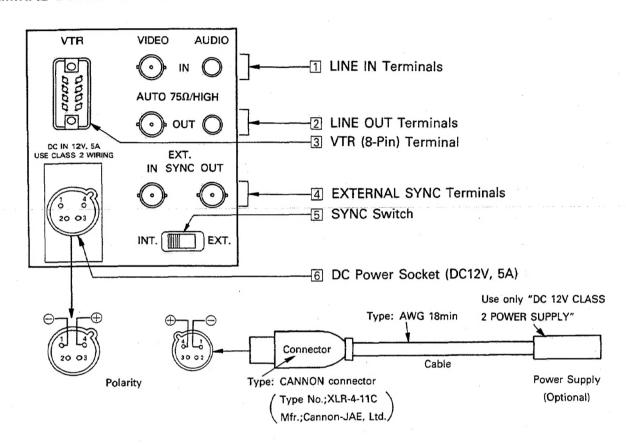
Adjust the Color control to set the chroma (saturation) level.

(13) HEADPHONE Jack

Audio may be monitored by the headphones using this jack (monaural sound).

CONNECTION OF VIDEO/AUDIO TERMINALS

TERMINAL BOARD ON REAR COVER



SIGNAL LEVEL AND TERMINAL IMPEDANCE

Ter	minal Item	Level	Impedance	Remarks
VIDEO	INPUT	1Vp-p (0.7Vp-p)	Auto 75Ω/High	Includes sync signal.
QIA	ОИТРИТ	1Vp-p (0.7Vp-p)	Auto 75Ω/High	(Does not include sync signal.)
OIC	INPUT	-6dB	10 kΩ	1Vrms=0dB at 400Hz
AUDIO	OUTPUT	-6dB	10 kΩ	at 400112
VIDEO	VTR	1Vp-p	75Ω	Video and
AUDIO/VIDEO	VIN	1.0Vrms	20 kΩ	audio signal
SYNC	INPUT	2~4Vp-p	Auto 75Ω/High	Negative vertical
EXT.	OUTPUT	2~4Vp-p	Auto 75Ω/High	and horizontal sync

TERMINALS AND THEIR FUNCTIONS

I LINE IN Terminals

Receive video and audio signals from outside source. This signal is available at the LINE OUT (Throughout) terminals.

2 LINE OUT Terminals

Whichever signal at the input will be available at this terminal (Throughout).

[3] VTR (8-Pin) Terminal

Receives video and audio signals from VTR, VCR or video disc which has an 8-Pin Connector.

4 EXTERNAL SYNC Terminals

IN When a non-composite video signal is connected to the monitor, it will be necessary to connect an external composite sync signal to the monotor.

OUT... Through out the sync signal.

5 SYNC Switch

Set the SYNC Switch to EXT. position when connecting an external composite sync signal to the monitor.

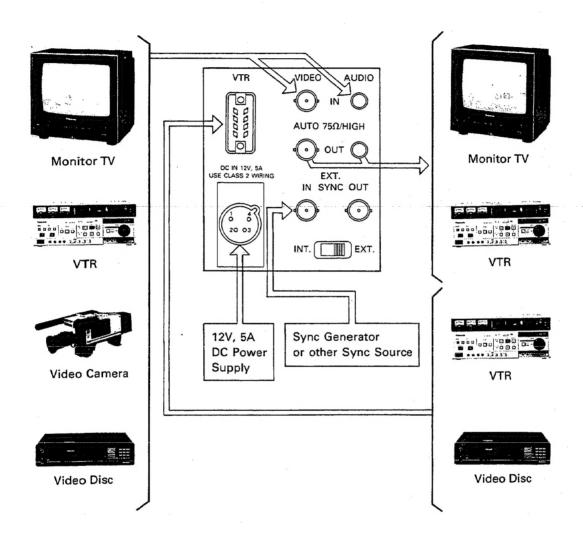
6 DC Power Socket

When the monitor is operated with DC power source, connect DC 12V 5A power supply to this socket by a CANNON type connector. The wiring for power supply should be Class 2 by National Electrical Code.

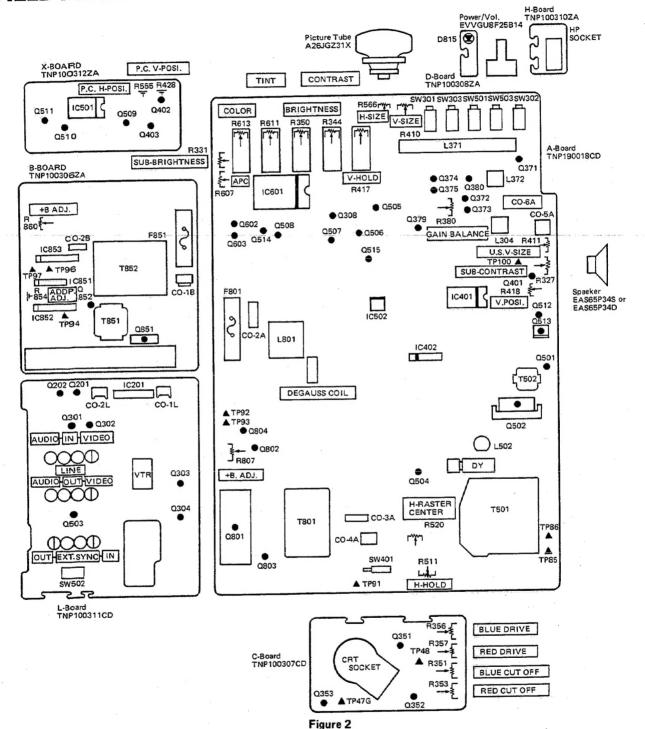
Note: 1. The video and the external sync input/output terminals are equipped with "Automatic Termination Switch". If only input signal is applied, they are terminated by 75 ohm, and if both input/output signals applied, they are opened to high impedance.

- It is possible to connect up to 10 monitors in series by looping through the LINE IN and LINE OUT terminals.
 There may be a possibility of a brightness reduction or interference if more than 10 units are connected. Please carefully confirm that these problems do not exist with the units before connection.
- 3. 1) This monitor provides an ADDP (Automatic Deep-Discharge Protector) circuit, which prevents the battery from being deep-discharged and the battery life being shortened.
 - 2) When the output voltage of the battery connected to the set becomes lower than specified, the ADDP circuit operates and the set automatically goes off.
 - 3) When the set goes off by the ADDP circuit, immediately turn the POWER/VOL Switch to "OFF" position and charge the battery.

CONNECTION WITH OTHER EQUIPMENTS



FIELD ADJUSTMENTS



A. SERVICING ADJUSTMENTS VERTICAL SIZE ADJUSTMENT

Adjust V-Size control (R410) until picture becomes symmetrical from top to bottom.

HORIZONTAL SIZE ADJUSTMENT

Adjust H-Size control (R566) until the horizontal picture size is proper on the screen.

HORIZONTAL HOLD ADJUSTMENT

Adjust H-Hold control (R511) and set it at the point where horizontal movement (diagonal lines) stops.

FOCUS ADJUSTMENT

Adjust Focus control on FBT to obtain the sharpest and clearest picture.

B. INTERNAL ADJUSTMENTS

When measuring voltage with a VTVM, be sure to use the test points located on the conductor side of the circuit boards.

VERTICAL POSITION ADJUSTMENT

Adjust V-Position control (R418) until picture becomes vertical center.

H-RASTER CENTER ADJUSTMENT

Adjust H-Raster Center control (R520) until picture becomes centered horizontally.

UNDERSCAN V. SIZE ADJUSTMENT

- 1. Apply a monoscope pattern to the monitor.
- 2. Push Underscan switch on the front panel.
- Adjust U.S. V-Size control (R411) until picture height becomes 4 mm ± 1 mm shorter than picture tube screen at top and bottom as shown in figure 3.
- 4. If the picture is shifted upper or lower, adjust V-Position control (R418).

UNDERSCAN H. SIZE ADJUSTMENT

- 1. Apply a monoscope pattern to the monitor.
- 2. Push Underscan switch on the front panel.
- 3. Adjust H-Size control (R566) until picture width becomes 6 mm \pm 1 mm shorter than picture tube screen at both sides as shown in figure 3.
- 4. If the picture is shifted left or right, adjust H-Raster Center control (R520).

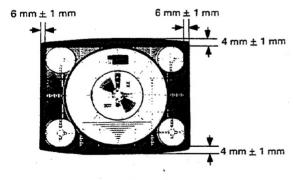


Figure 3

PULSE CROSS V-POSITION ADJUSTMENT

- 1. Apply a monoscope pattern to the monitor.
- 2. Push Pulse Cross switch on the front panel.
- Adjust P.C. V-Position control (R428) until horizontal blanking line becomes at the vertical center on picture tube screen. (See figure 4.)

PULSE CROSS H-POSITION ADJUSTMENT

- 1. Apply a monoscope pattern to the monitor.
- 2. Push Pulse Cross switch on the front panel.
- 3. Adjust P.C. H-Position control (R555) until the length between left screen edge and vertical blanking line becomes approximately 35 mm. (See figure 4.)

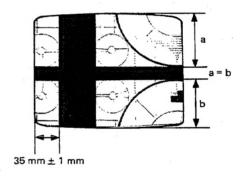


Figure 4

SUB-BRIGHTNESS CONTROL ADJUSTMENT

This is factory adjusted. Usually no further adjustment is required in the field. However, when the A-Board, C-Board or CRT is replaced, the following adjustment is necessary:

- 1. Apply a cross hatch pattern signal.
- 2. Set Brightness (R350) and Contrast (R344) controls at their click position.
- Connect the DC voltmeter between TP85 and TP86 (positive lead of the voltmeter to TP85 and negative lead to TP86).
- Adjust Sub-Brightness control (R331) so that the reading of the voltmeter becomes approximately 5.5V for proper picture brightness.

Note: For this adjustment NTSC Pattern Generator, model LCG-396 manufactured by Leader Electronics Corp. (Japan) is recommended.

GENERAL ALIGNMENTS

+121V ALIGNMENT

Preparation (See figure 5.)

- Connect a 12V (10A) DC power supply between TP93 and TP95 (negative to TP95) on B-Board and operate the receiver more than 20 minutes.
- 2. Connect a digital multi-meter between TP93 and TP95 (negative to TP95).
- 3. Set the DC power supply so that the reading of the meter becomes $11.5V \pm 0.1V$ at TP93.
- 4. Then connect the digital multi-meter between TP92 and TP95 (negative to TP95).

ADDP ALIGNMENT

Preparation (See figure 5.)

1. Connect a 12V (10A) DC power supply between TP93 and TP95 (negative to TP95) on B-Board and operate the receiver more than 20 minutes.

Alignment Procedure

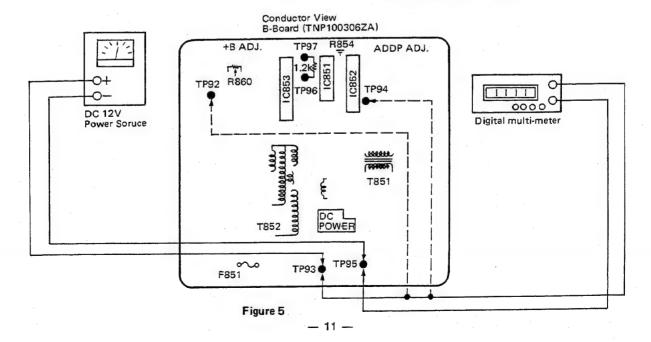
12V ADDP adjustment

- Apply a black and white signal under normal reception conditions.
- 2. Set Brightness and Contrast controls to maximum and volume to minimum.
- 3. Turn 12V ADDP control (R854) fully counterclockwise.
- 4. Set the DC power supply so that the reading of the multi-meter becomes 10.3V at TP93.
- 5. Then connect the multi-meter between TP94 and TP95 (negative to TP95).

Alignment Procedure

- Apply a black and white signal under normal reception conditions.
- Set Brightness and Contrast controls fully counterclockwise, volume to minimum and Service Switch to SERVICE position.
- 3. Adjust R860 (+B ADJ.) to set the output voltage to $121V \pm 0.5V$ at TP92.
- Connect a digital multi-meter between TP93 and TP95 (negative to TP95).
- Slowly turn the ADDP control clockwise and stop where the reading of the multi-meter changes from 0.06V to 2.5V.
- 7. Confirm that the voltage at TP94 reduces to 0.06V when the DC voltage at TP93 is 10.4V.
- Connect a 1.2k ohm resistor between TP96 and TP97, and confirm that the picture disappears (ADDP operates) a few seconds after the voltage at TP93 is reduced to 10.2V.

Note: Without resistor, delayed ADDP circuit needs about 150 seconds to cut off the converter circuit after input voltage becomes equal to or less than 10.2V.



SUB-CONTRAST ALIGNMENT

- Apply a studio color bar signal.
 Input signal should be 1.0Vp-p (video level 0.7Vp-p, sync level 0.3Vp-p).
- 2. Set Brightness (R350) and Contrast (R344) controls at their click position.
- 3. Set Color control (R613) fully counterclockwise.
- 4. Connect an oscilloscope to TP48 on C-Board.
- Adjust Sub-Contrast control (R327) to obtain 1.1Vp-p
 ± 0.1Vp-p from white level to black level.
 (See figure 6.)

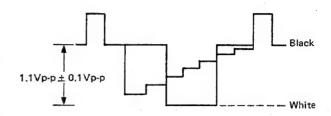


Figure 6

CIRCUIT EXPLANATION

HORIZONTAL OSC. DISABLE CIRCUIT

- Under normal operating conditions, zener diode D512 is CUT OFF since its breakdown voltage is not reached.
- 2. When the amplitude of the pulse applied to diode D510 increases, the cathode voltage of zener diode D512 rises, and D512 conducts.
- The conduction of D512 increases the base voltage of Q504 and conducts it.
- 4. This causes the pin ③ voltage of IC401 to decrease. As a result the horizontal oscillator frequency goes higher and the picture on the screen falls out of horizontal sync.

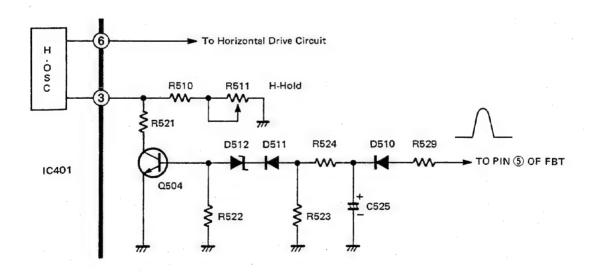
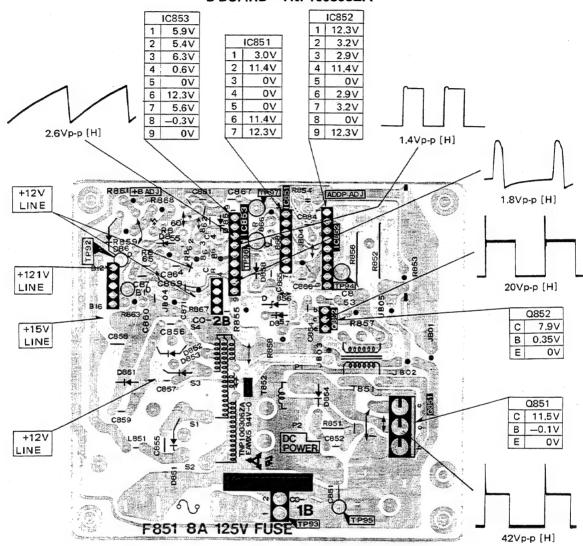


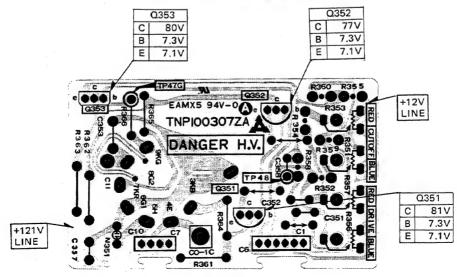
Figure 7

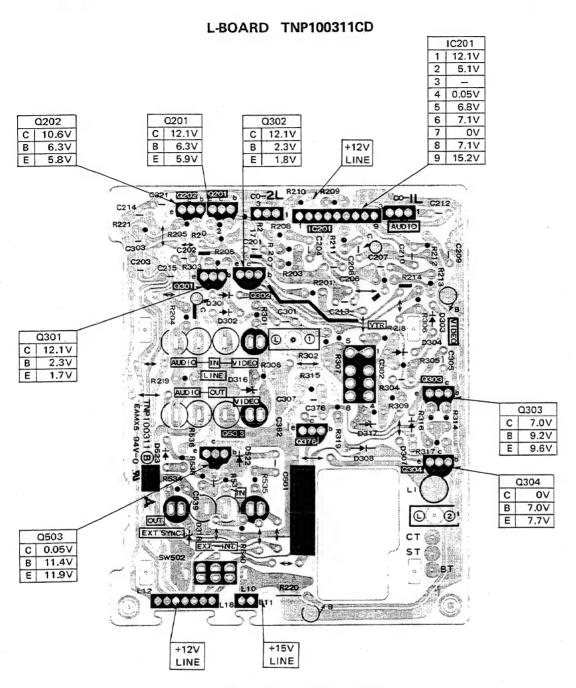
CONDUCTOR VIEWS

B-BOARD TNP100306ZA

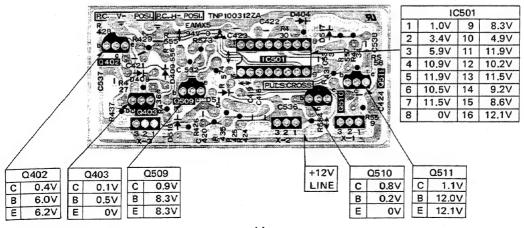


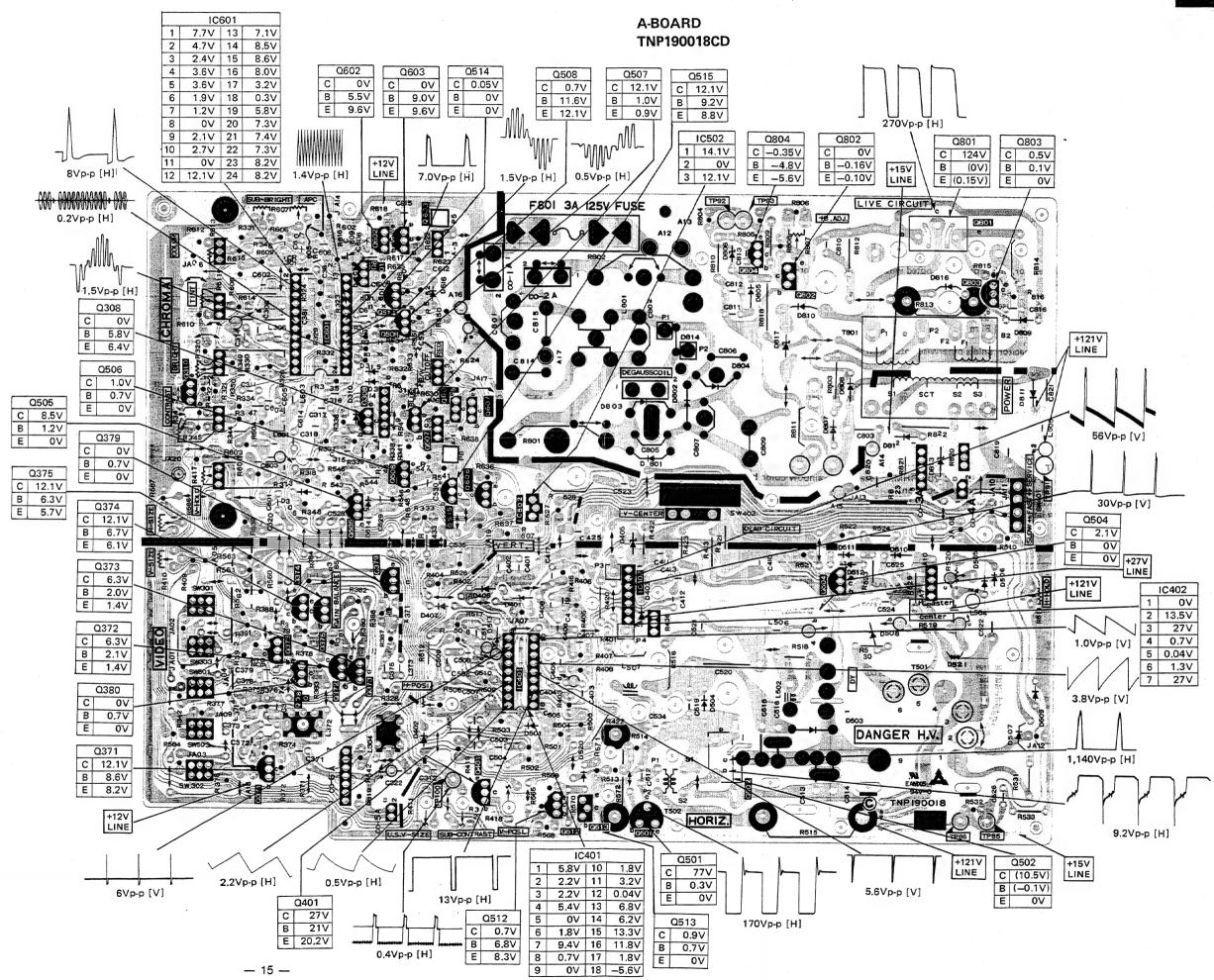
C-BOARD TNP100307CD





X-BOARD TNP100312ZA





SCHEMATIC DIAGRAM FOR MODEL BT-S1000N CHASSIS NO. KMX-F104A

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION, FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

NOTE:

1.	All resistors are carbon 1/4	4W resistor, unless otherw	vise noted with the following mark:	s.
	Unit of resistance is OHM	$\{\Omega\}$, $\{K = 1,000, M = 1\}$,000,000).	
	A + Salid	Alle a Thomas labour	O . I	

: Wire Wound

⊗ : Fuse

(L): Leadless Type

O: Non-flammable : Cement

: Metal Film

2. CAPACITOR

All capacitors are ceramic 50V capacitor, unless otherwise noted with the following marks. Unit of capacitance is μF , unless otherwise noted.

+#=: Electrolytic

(NH): NH Type

(NP): Bipolar ②: Z Type ①: Tantalum

O: Titanium Oxide ⊗ : Temp CompensationM : Polyester

S : Polystyrene⊠ : Polypropylene m : Metalized Polyester

3. COIL

Unit of inductance is µH.

4. TEST POINT

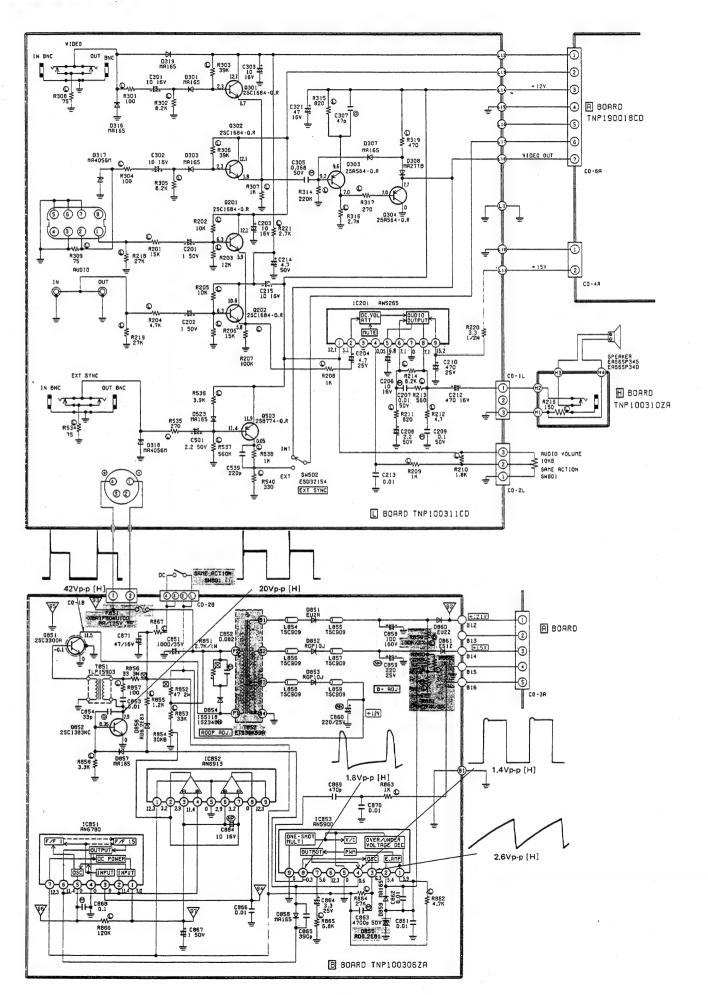
| Test point position.

5. VOLTAGE MEASUREMENT

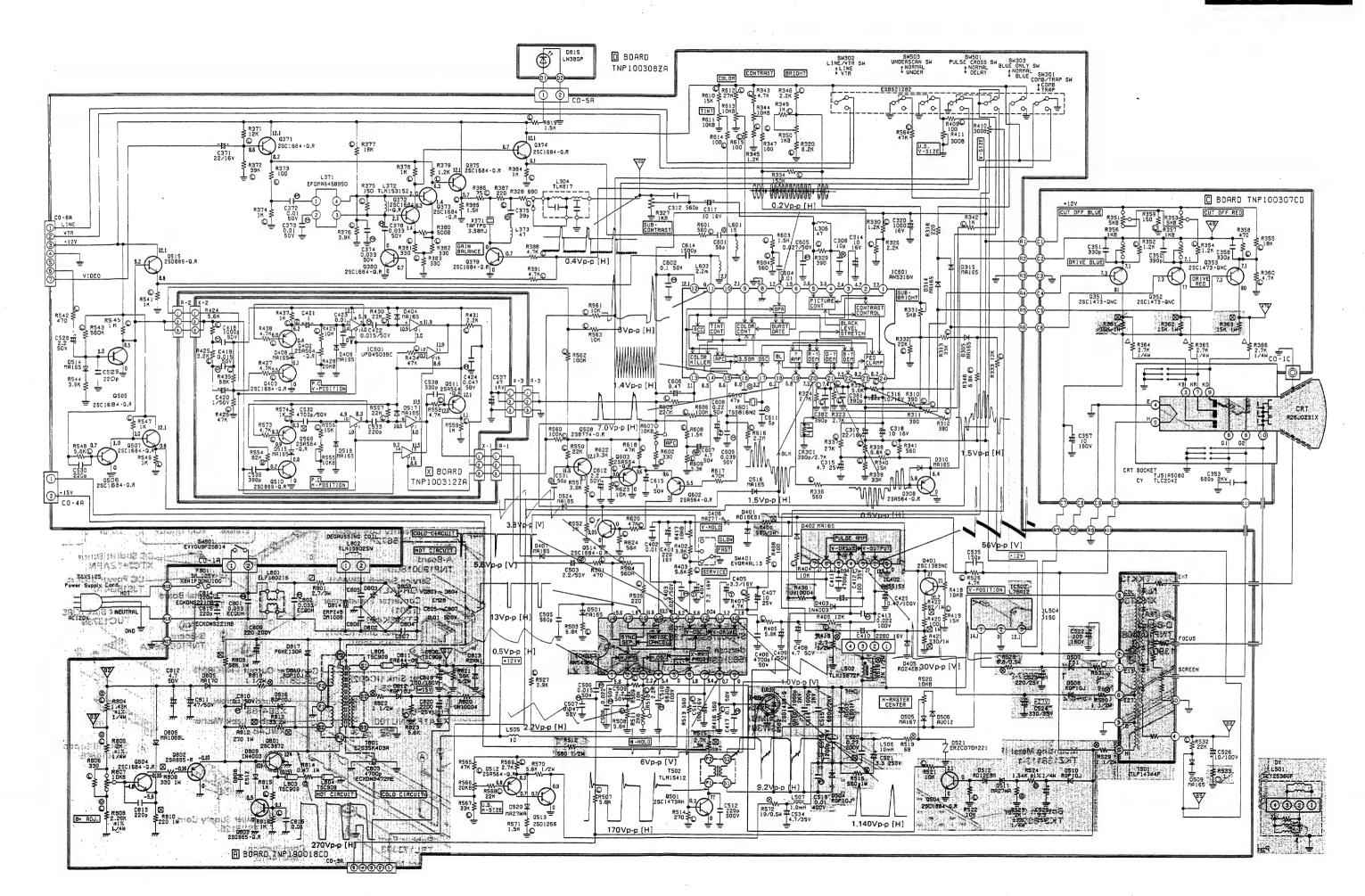
Voltage is measured by a volt ohm meter with DC 20k OHM/V receiving a rainbow color bar signal when all customer's controls are set to the maximum position.

- 6. When arrow mark () is found, connection is easily found along with the direction of an arrow.
- 7. This schematic diagram is the latest at the time of printing and subject to change without notice.

EMITTER COLLECTOR BASE	2SD1457A 2SD1457AKU 2SC3872	BASE COLLECTOR EMITTER	2SC1098(4) 2SB547 2SC1446 2SC1448 2SC1507 2SD402 2SA636(4)
(a)	TV\$\$1854	FACE	28C1505(1)
BASE	2SD1199 2SD1198 2SD638 2SD637 2SD636 2SB641	BASE COLLECTOR EMITTER	2SA900 2SC2911 2SD946 2SA885
EMITTER	2\$B642 2\$B643 2\$D973 2\$C2188 2\$C2377	CATHODE GATE ANODE	N13T1
	AN78M05	CATHODE ANODE GATE	03P2M
BASE	2SC1383NC 2SC1473AH 2SC1473NC 2SC945A 2SC1317 2SD893 2SA564 2SA564A	EMITTER COLLECTOR BASE	2SD1266
EMITTER	2SC1573ANC 2SC1685 2SC1688 2SC1685CH 2SC1684 2SC965 2SB774 2SC989	EMITTER COLLECTOR BASE	2SC3300A 2SC3088 2SD1044A 2SD1439



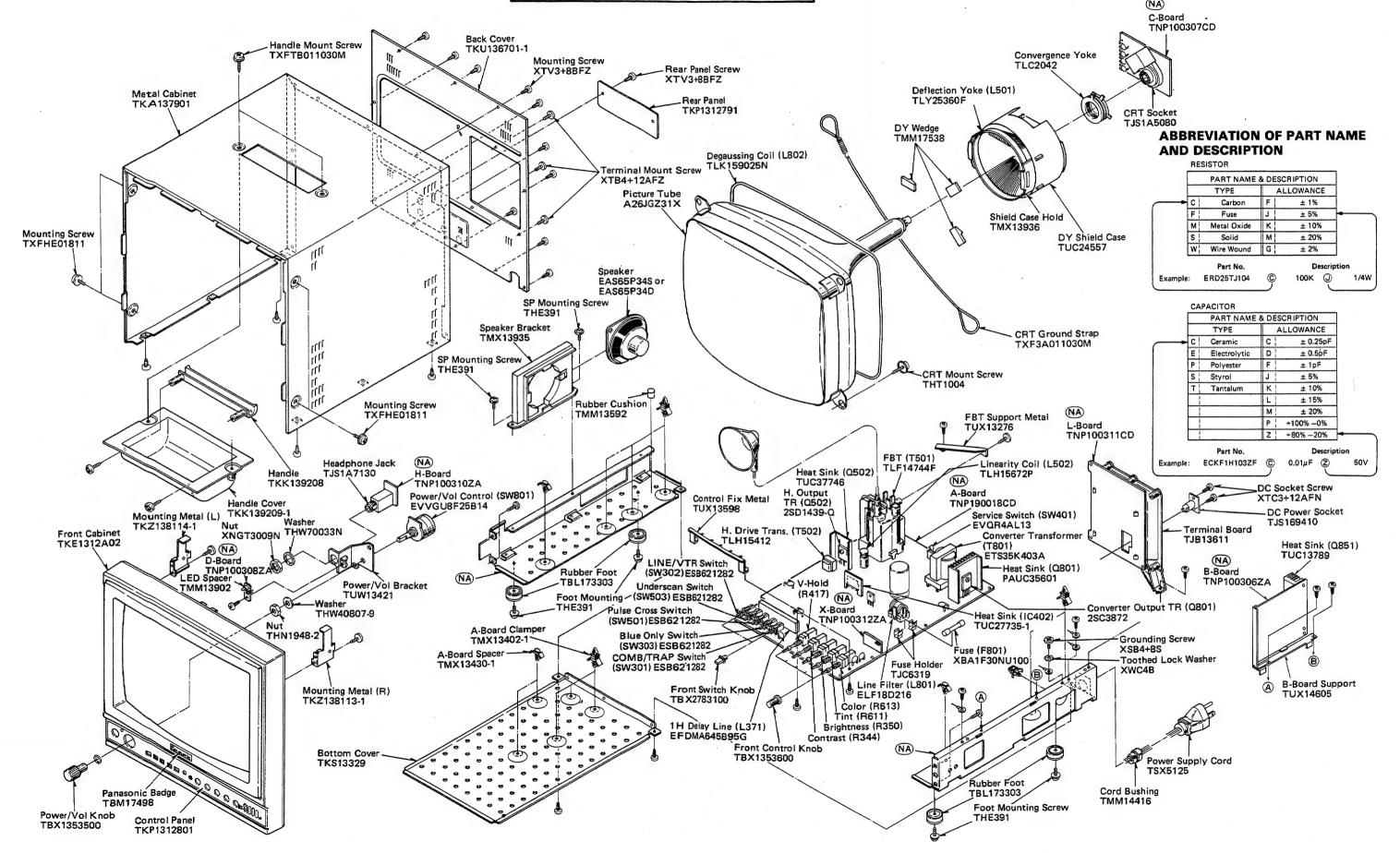
— 16 —



BT-S1000N BT-S1000N

EXPLODED VIEWS

NOTE: Parts or Components marked with NA and unlisted are not available as a replacement parts.



REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by shaded area have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.

Note: TNP190018CD (A-Board), TNP100306ZA (B-Board), TNP100307CD (C-Board), TNP100308ZA (D-Board), TNP100310ZA (H-Board), TNP100311CD (L-Board), and TNP100312ZA (X-Board) are not available as a complete printed circuit board.

		3 I I CI			e not available as a compli				
Ref. No.	Part No.		Description	on		Ref. No.	Part No.	Description	on
	RESISTORS					R327		CONTROL B	1Kohm
	1,20,010,10					R328	ERD25TLJ681	C 680chm	
R201	ERD25TLJ153	C	15Kohm	J	1/4W	R329	ERD25TLJ391	C 390ohm	
R202	ERD25TLJ103	0	10Kohm	J	1/4W	R330	ERD25TLJ122	C 1.2Kohm	J 1/4W
R203	ERD25TLJ123	C	12Kohm	J	1/4W	R331	EVN60AA00B53	CONTROL B	5Kahm
R204	ERD25TLJ472	C	4.7Kohm	J	1/4W				
R205	ERD25TLJ103	C	10Kohm	J	1/4W		ERD25TLJ223	C 22Kohm	J 1/4W
						R333	ERD25TLJ123	C 12Kohm	J 1/4W
R206	ERD25TLJ153	C	15Kohm	J	1/44	R334	ERD25TLJ154	C 150Kohm	
R207		C	100Kohm	J	1/4W	R335	ERD25TLJ562	C 5.6Kohm	
R208		C	1Kohm	J	1/4W	R336	ERD25TLJ561	C 560chm	J 1/4W
R209		C	1Kohm	J	1/4W				
R210		C	1.8Kohm	J	1/4W	R337	ERD25TLJ273	C 27Kohm	J 1/4W
						R338	ERD25TLJ682	C 6.8Kohm	J 1/4W
R211	ERD25TLJ821	0	820ohm	J	1/4W	R339	ERD25TLJ333	C 33Kohm	J 1/4W
R212		C	4.7ohm			R340	ERD25TLJ153	C 15Kohm	J 1/4W
R213		C	560ohm		4	R341	ERD25TLJ561	C 560ohm	J 1/4W
	ERD25TLJ822	C	8.2Kohm		1				
R216		0	150chm			R342	ERD25TLJ102	C 1Kohm	J 1/4W
	The F I amy place to the term of the	_					ERD25TLJ472	C 4.7Kohm	J 1/4W
R217	ERD25TL0	0	ohm Resis	st.c	or-	1	EVU9LA006B14		10Kohm
	ERD25TLJ273	C	27Kohm			R345	ERD25TLJ122	C 1.2Kohm	
R219		c	27Kohm				ERD25TLJ222	C 2.2Kohm	
	ERDS1TJ3R3	C	3.30hm		1		and a second of a second of the second		
R221	,	C	2.7Kohm		1	R347	ERD25TLJ101	C 100ahm	J 1/4W
RZZI	ENDEDIEDEZ	-	2 # 7 15 25 110	₩.	2.7.140	R348	ERD25TLJ682	C 6.8Kohm	
R301	ERD25TLJ101	C	100ohm	.7	1 / 4 11	R349	ERD25TLJ102		J 1/4W
	ERD25TLJ822	C	8.2Kohm		,	R350	EVU2LA006B13	CONTROL B	1Kohm
R303		0	39Kohm			R351	EVN61AA00B53	CONTROL B	
R304		C	100chm		1				
R305		C	8.2Kohm			R352	ERD25TLJ122	C 1.2Kohm	J 1/4W
3 / 200 / 200	F 1 / 1/ 22 F 1 / 1 F 1 / 1 / 1 / 1 / 1		Pro- B - State of State of State	-		R353	·	CONTROL B	5Kohm
PTO4	ERD25TLJ393	0	39Kohm	Τ,	1/4W	R354	ERD25TLJ122	C 1.2Kohm	J 1/4W
	ERD25TLJ102	C	1Kohm			R355	ERD25TLJ183	C 18Kohm	
	ERD25TLJ750	c	75ohm		1	R356	EVN61AA00B13	CONTROL B	1Kohm
	ERD25TLJ750	C	75chm			1			
	ERD25TLJ391	c	390ohm			R357	EVN61AA00B13	CONTROL B	1Kohm
1 "	Street & Standards Street of Street Sale Standard Street Street		no e mante a diff	-			ERD25TLJ471	C 470ohm	
P711	ERD25TLJ391	c	390ohm	J	1/4W		ERD25TLJ151	C 150chm	
	ERD257LJ391	0	390ahm			R360		C 4.7Kohm	
	ERD25TLJ333	c	33Kohm			R361	The second secon	M 15Kohm	
	ERD25TLJ224	C	220Kohm			HAT THE		Kabupatan.	
	ERD25TLJ821	c	820ohm			R362	ERG18J153P	M 15Kohm	์ วิ เพ
11000	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			_			ERG1SJ153P	M 15Kohm	J 1W
RELA	ERD25TLJ272	C	2.7Kohm	3	1/4W		ERC146K272	S 2.7Kohm	K 1/4W
	ERD25TLJ271	C	270chm			1	ERC14GK272	S 2.7Kohm	
	ERDS2TJ221	C	220ohm				ERC146K272	S 2.7Kohm	
	ERD25TLJ471	C	470chm			-			
	ERD25TLJ822	c	8.2Kohm			R371	ERD25TLJ123	C 12Kohm	J 1/4W
1,000,000	poor d. S. deut' adea tooc'. Y. Brook loc'. You' after about			-			ERD25TLJ393	C 39Kohm	
8323	ERD25TLJ272	C	2.7Kohm	J	1/4W	E	ERD25TLJ101	C 100chm	
	ERD25TLJ272	c	2.7Kohm				ERD25TLJ102		J 1/4W
	ERD25TLJ222	C	2.2Kohm			1	ERD25TLJ151		J 1/4W
I NOWE	r 1 1 1 2 2 die ter f fam tit die der der	1	oten a specific bart / 111		/ ***				

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	ERD25TLJ392	C 3.9Kohm J 1/4	R438	ERD25TLJ472	C 4.7Kohm J 1/4W
	ERD25TLJ183	C 18Kohm J 1/4			C 470ohm J 1/4W
	ERD25TLJ102	C 1Kohm J 1/4			C 6.8Kohm J 1/4W
	ERD25TLJ122	C 1.2Kohm J 1/4		ERD25TLJ564	C 560Kohm J 1/4W
,	EVN61AA00B52	CONTROL B 500oh	11	ERD25TLJ221	C 220chm J 1/4W
R380	EAMOTHHOODOS	CONTINUE D SOUCH	" ",000	from \$ \$ clos when they \$ frame has above one	
	ERD25TLJ331	C 330ohm J 1/4		ERD25TLJ562	C 5.6Kohm J 1/4W
R382	ERD25TLJ331	C 330ohm J 1/4		ERD25TLJ562	C 5.6Kohm J 1/4W
R383	ERD25TLJ331	C 330ohm J 1/4	11	ERD25TLJ103	C 10Kohm J 1/4W
R384	ERD25TLJ102	C 1Kohm J 1/4	11	ERD25TLJ222	C 2.2Kohm J 1/4W
R385	ERD25TLJ152	C 1.5Kohm J 1/4	W R511	EVN60AA00B23	CONTROL B 2Kohm
R386	ERD25TLJ750	C 75ohm J 1/4	w R512	ERDSITJ561	C 5600hm J 1/2W
	ERD25TLJ221	C 220ohm J 1/4	Comment with the Comment of the Comment	ERD25TLJ561	C 560ahm J 1/4W
R388	ERD25TLJ472	C 4.7Kohm J 1/4	11		C 270ohm J 1/4W
R391	ERD25TLJ472	C 4.7Kohm J 1/4		The second secon	M 2.7Kohm J 3W
	ERGISJ561R	M , 560chm J = 1		ERQ1AJP561S	F. 560chm J. 1W
		a-deliki, iliaklista bilitanan vanoru, mai 1944 - 4 iliangada inika katalanat dan en 1919 (1919 iline), ili may da da mahitana babi		Acceptation () () () () () () () () () () () () ()	 * Program (That is and a color of a fine and angle of the color of t
R402	ERD25TLJ392	C 3.9Kohm J 1/4		The second secon	O ohm Resistor
R403	ERD25TLJ562	C 5.6Kohm J 1/4		and the second of the second o	F 1.2Kohm J 1/2W
R404	ERD25TLJ103	E 10Kohm J 1/4	W R519	ERD2FCG680F	F 68ohm G 1/4W
R405	ERD25TLJ562	C 5.6Kohm J 1/4	W R520	EVMJ6U10KB14	CONTROL B 10Kohm
R406	ERD25TLJ123	C 12Kohm J 1/4	W R521	ERD25TLJ103	C 10Kohm J 1/4W
R407	ERD25TLJ472	C 4.7Kohm J 1/4	W R522	ERD25TLJ103	C 10Kehm J.1/4W
R408		C 100ohm J 1/4	₩ R523	ER025CKF2001	M 2Kohm F 1/4W
R409		C 1000hm J 1/4		ER025CKF1541	M 1.54Kohm F 1/4W
R410		CONTROL B 300oh	The transfer of the second contraction of the second	ERD25TLJ472	C 4.7Kohm J 1/4W
R411	EVN61AA00B32	CONTROL B 300oh	m R527	ERD25TLJ392	C 3.9Kohm J 1/4W
		F 2.7chm J 1/2	W R528	ERØ12HK&R8P	F. 6.8ohm K.1/2W
R413	the region of the control of the state of th	C 560chm J 1/4			
R416			The state of the s		F 10hm J 1/2W
R417			The second secon	A STORES THE STATE OF THE SAME AND A STATE OF THE SAME AND A STATE OF THE SAME AND A STATE OF THE SAME AND ASSAULT OF THE SAME ASSAULT OF THE SAME AND ASSAULT OF THE SAME AND ASSAULT OF THE SAME ASSAULT	C lohm J 1/4W
R418			destroyante terroranis et ann. e ent	tion in a separate some process of the second metallicination and the second process of	C 22Kohm J 1/4W
R419	ERD25TLJ153	C 15Kohm J 1/4			
R420	ERGISJ101P	M 100ohm J 1	W R533	ERD25FJ1R0F	C lohm J 1/4W
R421			W R534	ERD25TLJ750	C 75ohm J 1/4W
R422		1	W R535	ERD25TLJ271	C 270ohm J 1/4W
	ERD25TLJ562	C 5.6Kohm J 1/4	W R536	ERD25TLJ392	C 3.9Kohm J 1/4W
	ERD25TLJ222	C 2.2Kohm J 1/4		ERD25TLJ564	C 560Kohm J 1/4W
F-85-1	FENDET! 3477	C 47Kohm J 1/4	ul pero	ERD25TLJ102	C 1Kohm J 174W
	ERD25TLJ473	C 4.7Kohm J 1/4	1)	ERD257LJ331	C 330ohm J 1/4W
	ERD25TLJ472	CONTROL B 20Koh	1 3	ERD257L3331	C 1Kohm J 1/4W
	EVN60AA00B24			ERD257L3471	C 470ohm J 1/4W
	ERD25TLJ103		11	ERD251L3564	C 560Kohm J 1/4W
R430	ERD25TLJ223	C 22Kohm J 1/4	W 76343	EUDTO IEGO DOA	D DEGREEN C 17 TW
R431	ERD25TLJ222	C 2.2Kohm J 1/4	13	ERDS2TJ392	C 3.9Kohm J 1/4W
	ERD25TLJ473	C 47Kohm J 1/4	W R545	ERD25TLJ102	C 1Kohm J 1/4W
R435	ERD25TLJ683	C 68Kohm J 1/4	W R547	ERD25TLJ102	C 1Kohm J 1/4W
R434	UN10004	Current Protects		ERD25TLJ562	C 5.6Kohm J 1/4W
R437	ERD25TLJ102	C 1Kohm J 1/4	W R549	ERD25TLJ102	C 1Kohm J 1/4W
1 11.7007	man f their same tour f does for the Windows				

Ref	. No.	Part No.	Descripti	on	Ref. No.	Part No.	Description
-	R550	ERD25TLJ223	C 22Kohm	J 1/4W	R624	ERD25TLJ563	C 56Kohm J 1/4W
		ERD25TLJ392	C 3.9Kohm			ERF3AK2R7	W 0:2.7obm K(2.13W
		ERD25TLJ102	C 1Kohm	J 1/4W	- R803	ERG1ANJ683H	M 5 68Kahm J 5 1W
		ERD25TLJ823	C 82Kohm	J 1/4W	R804	ER025LKF1431	M 1:43Kobm F 174W
1		EVN60AA00B14	CONTROL B	10Kohm	- R805	ER025LKF2001	M∵. (E2Kohm F (174W
	R556	ERD25TLJ153	C 15Kohm		- R806		C #1330ohm J:1/4W
1		ERD25TLJ223	C 22Kohm		RBOZ	EVN61AA00B14	CONTROL B 10Kohm
	R558	ERD25TLJ472	C 4.7Kohm		>0R808	ER025LKF2261	M 2.26Kohm F 1/4W
	R559	ERD25TLJ102	C 1Kohm		# R809	ERG1SJ331P	M : 3300bm J1W
	R560	ERD25TLJ104	C 100Kohm	J 1/4W	R810	ERG15J221F	M. 2200bm J 1W
	R561	ERD25TLJ103	C 10Kohm	J 1/4W	R812	ERG1SJ271F	м. 270онт J 1W
	R562	ERD25TLJ104	C 100Kohm	J 1/4W	V. R813	ERG2ANJ330H	м. 33ohm J 2W
	R563	ERD25TLJ103	C 10Kohm	J 1/4W	R814	ERX16NUR47	M . 0.47ohm J ∷1₩
	R564	ERD25TLJ473	C 47Kohm	J. 1/44	8815	ERD25TLJ102	Co. lelkohm J.1/4W
	R565	ERD25TLJ473	C 47Kohm	J 1/44	R816	ERD25TLJ102	C·∷-1Kobm J 1/4W
	R566	EVN60AA00B24	CONTROL B	20Koha	 	ERQ12HK1R0F	Fast löhm Kilzaw
	R567	ERD25TLJ333	C 33Kohm		I what a second	ERD25TLJ152	C 1.5Kohm J 1/4W
1	R568	ERD25TLJ223	C 22Kohm		R820	UN10004	Current Protector
	R569	ERD25TLJ272	C 2.7Kohm		R821	ERDS1TJ563	C 56Kohm J 1/2W
	R570	ERDS1TJ562	C 5.6Kohm	J 1/20	y	ER012HJ1R0P	E-13 Lohm J4172W
			C 1.5Kohm	J 1/40	 R823	ERD25TLJ582	C. 5.6K6hm J 174W
	R571	ERD25TLJ152		J 1/20	Limit seems in 1999	I was a sure agency of the state to an	M 2.7kohm J 1W
	R572	ER012HJ100P	C 4.7Kohm				M 47ohm J 2W
	R573	ERD25TLJ472	C 1Kohm		11		C 33Kohm J 1/4W
	R574 R601	ERD25TLJ102 ERD25TLJ561	C 560ohm		11		
	m	ERD25TLJ331	C 330ohm	J 1/40	∦ R855	ERD25TLJ122	C 1.2Kohm J 1/4W
	R602	ERD257LJ152	C 1.5Kohm		. 11		M 33ohm J 3W
	R603	ERD257L3531	C 560ohm			1	C 100ohm J 1/4W
	R604	ERD257LJ224	C 220Kohm		11		C 3.3Kohm J 1/4W
	R605	ERD257LJ104	C 100Kohm		11	The second section of the second section section of the second section	M NOOKONM F 1/4W
	R606						
	R607	EVN60AA00B14				EVN60AA00BZ3	CONTROL 28 2Kohm
	R608		C 1.5Kohm				M 4.87Kohm F 1/4W C 4.7Kohm J 1/4W
	R609		C 3.3Kohm		11	ERD25TLJ472	
1	R610			3 1/4		ERD25TLJ102	
	R611	EVUBLA006B14	CONTROL E	10Koh	N R854	ERD25TLJ273	C 27Kohm J 1/4W
	R612	ERD25TLJ273		J 1/4	11	ERD25TLJ682	C 6.8Kohm J 1/4W
-		EVUBLA006B14	CONTROL E		11	ERD25TLJ124	C 120Kohm J 1/4W
	R614	ERD25TLJ101	C 100ohm	J 1/4	11	ERD25TLJ1R0	C 10hm J 1/4W
	R615	ERD25TLJ101		J 1/4	11	ERD25TLJ102	C 1Kohm J 174W
	R616	ERD25TLJ225	C 2.2Mohm	3 1/4	W 1224\18	CAPACITORS	S 1 (28) 2 (20) 28 (20
	R617	ERDS2TJ474	C 470Kehm	J 1/4	4	CAFACITORS	
		ERD25TLJ473		J 1/4		ECEA1HU010	E 1uF 50V
		ERD25TLJ473	C 47Kohn	J 1/4	4 C202	ECEA1HU010	E 1uF 50V
		ERD25TLJ332	C 3.3Kohm		11	ECEA1CU100	E 10uF 16V
		ERD25TLJ103	C 10Kahm	3 J 1/4	# C204	ECEA1EU4R7	E 4.7uF 25\

Ref. No.	Part No.		Description	on		Ref. No.	Part No.		Descripti	on	
C206	ECEA1CU100	E	10úF		167	C409	ECEA1HU010	E	1uF		507
C207	ECQM1H103KV	P	0.01uF	k(507	C410	ECEA1CU222	Ε	2200uF		167
0208	ECEA1HU2R2	E	2.2uF		507	C411	ECKF1H472KB	C	4700pF	K	507
	ECQM1H104KV	P	0.luF	K	507	C412	ECEA1VU101	Ε	100uF		357
6210	ECEA1EU471	E	470uF		257		ECQM1223KZ	1	0.022uF	K	
154.10		-	A & P. P. P.			0.120	the top top I is at the star day to the		Jan. Mr. Jan. Spiller Spiller Jan. 3	,,	
1	ECEA1CU471	E	470uF		16V		ECQM1H104KV	P	0.1uF		507
C213	ECKF1H103ZF	C;	0.01uF	Z.	507		ECQM1H102KV	F	1000pF		507
C214	ECEA1HU4R7	E	4.7uF		507		ECQM1H153KV		0.015uF	K	507
0215	ECEA1CU100	E	10uF		167	C420	ECEA1HK010	E	1uF		507
C301	ECEA1CK100	E	10uF		16V	C421	ECEA50Z1	E	145		507
6302	ECEA1CK100	E	10uF		160	C422	ECQM1H153KV	F	0.015uF	Ŕ	500
	ECEA1CU100	E	10uF		160	C423	ECKF1H103ZF	C	0.01uF	Z	500
	ECQM1H683KV	P	0.068uF	K	507		ECQM1H473KV	1	0.047uF		507
	ECCF1H470J	C	47pF		507	0425	ECEA2AGR47S	E	0.47uF	• •	1007
	ECCF1H100DC	C	10pF		507	C501	ECEA1HK2R2	E	2.2uF	1	507
6208	ECCL IN100DC	-	rops.	1.7	200	L245473.	LULET I III.	-	. 2 = 2(1)	14	204
C311	ECEA1CU100	E	10uF		167	C503	ECEA1HN2R2S	E	2.2uF		507
	ECKF1H561KB	C	560pF	K	507	C505	ECKF1H561KB	C	560pF	K	507
	ECEA1CU100	E	10uF		167	C506			0.015uF		507
	ECEA1EU4R7	E	4.7uF		257	1			0.047uF		507
C316		E	10uF		167	C508	ECQM1H223KV	1	0.022uF		507
6318	ECEHICOIO	_	T 44/1/18		104	0000	12 (20) 1 2 1 12 2 2 1 1 V	,	The second of the second	1.4	204
C317	ECEA1CU220	E	22uF		16V	C509	ECEA1HU2R2	E	2.2uF		507
C318	ECEA1CU100	Ε	10uF		. 16V	C510	ECQK1682JZ	P	6800pF	J	1007
	ECEA1CU102	E	1000uF		169	C511	ECEA1CU101	E	100uF		167
	ECEA1CU470	E	47uF		160	1	ECKD2H221KB2	0	220pF	K	5000
C351	ECKF1H331KB	C	330pF	Jan.			ECKD3D102JBN				
0.001	The first first to the first took one is a second		and the fact of						,		
0352	ECKF1H391KB	C	390pF	K			ECKD3D102JBN				
C353	ECKD3D681KBN	C	680pF	K	2KV	₩ 8C515	ECKD3D681JBN	C	6806F	J	∘2KV
0357	ECEA2CS100	E	10uF		160V	C516	ECKD3D122JBN	C	1200pF	J	∴2KV
	ECKF1H331KB	C	330pF	k:	507	144C519	ECOM4103JZ	P.	0.016F	3	4000
	ECEA1CU220	E	22uF				ECOF2H274JZA				
	ECQM1H103KV	F	0.01uF				ECEA2ES3R3				2507
		F	0.01uF			F .	ECEA2CS101	1			
C374	ECQM1H333KV	F	0.033uF	K		1	ECEATEU221	3.			
C375	ECCF1H390J	C	39pF	J	507	₩C524	ECEA1VU331	E	330uF	1	357
C378	ECQM1H333KV	F	0,033uF	K	507	~ C525	ECEA1EUSR3	E à	3.3UF	3. 3	257
0391	TCBL1H391KB	c	390pF	K	507	0524	ECEA2AU100	E	10uF		1007
	TCBL1H391KB	C	390pF		507	1	ECEA1HU2R2	E	2.2uF		507
	ECEA1CU221	E	220uF		167	1	ECKF1H221KB	C	220pF		
		C	0.01uF			1	ECKF1H221KB	C	220pF		
						1		C	56pF		
U403	ECQM1H273KV	P	0.027uF	Ps.	507	6001	ECCF1H560J		nohr	W.	300
0404	ECSZ16EF2R2V	T	2.2uF		167	C532	ECQP1H472JZ		4700pF		
C405	ECSZ16EF3R3N	T	3.3uF		167	C533	ECKF1H221KB	C	220pF		
1	ECKF1H472KB	C	4700pF		507	C534	ECEA35W4R7Q	E	4.7UF		357
	ECEA1EU100	E	10uF		257		ECKF1H151KB	C			1
•	ECEA1HU4R7	E	4.7uF		507		ECKF1H391KB	C	390pF		507
1 0408	EPENTHOAN.				007				and a surport		

Ref. No.	Part No.		Description	on		Ref. No.	Part No.	D	escription	1
C537	ECEA1CU470	E	47uF		160	C867	ECEA1HU010	E	1uF	507
	ECKF1H331KB	С	330pF	K	507	C848	ECQM1H104KV).luF K	
	ECKF1H221KB	C	220pF		500	C869	ECKF1H471KB		170pF K	
	ECCF1H560J	C	56pF		1	C870	ECKF1H103ZF	c o.	OluF Z	
	ECOMIHIO4KV	P	0.1uF		507	C871	ECEA1CU470	E	47uF	160
. 6002										
C604	ECKF1H103ZF	C	0.01uF	Z	507		ECEA1CN100S	E	10uF	160
C605	ECQM1H273KV	P	0.027uF	K	507	CR301	EXRP391K272S	C-R Co	ombinat	ion
	ECEA1HUR47	E	0.47uF		507			<u> </u>		
	ECEA1HN4R7S	E.	4.7uF		507	-	COILS			
	ECEASOZR22	E	0.22uF		507					
							TLKB17	Delay		47uH
	ECGM1H393KV	F'	0.039uF		507	L306	TLT470K266	Peaki		
	ECCF1H470J	C	47pF		504		EFDMA645B95G	Peaki		15uH
C611	ECCD1H050DC	E	5pF	D	500		TLK153152	1		47uH
C612		E	2.2uF		507	L3/3	TLT470K991K	Peaki	ığ	7/403
C614	ECKF1H152KB	C	1500pF	K	507	JEA4	TLY25360F	الم تعدما	tion N	/nke
		_			- 011	14.5mm (1.0mm 19.00) 14.75	TLH15672P		rity Co	
C615		E	1uF	-	507	Commission of the facilities o	TLT151K991R	Peaki		150uH
	ECQU1A333MH	P					TLT100K993E	Peaki		10uH
The same of the same of the same of	ECQU1A333MH	P	0.033uF							7. 2. 7.1.
⊬C803		C.	4700pF				IL THUSKITOSK	CHOKE	C-(1) 7 7	
CBOE	ECKD2H103EU7	JC.	0.01uF	F.	YOUV		TLF13113E	Choke	Cail	
					=0011	11	TLT150K991R	Peaki		15uH
C804	ECKD2H103PU7	C	50.01üF				TLT222K993G	Peaki	•••	2.2mH
C807	ECKD2H103PUZ	IC.	0.01uF				ELF180216		Filter	
C809	ECET2DR221SW	Į E.o			200V		TLK159025N		ssing (
	ECOM1H104KV	F	0.1uE			Comment of a seek of and street self-		DEDER	abing v	
C811	ECEA1HU470		47EE				TSC909	Choke	Cail	
			-MEST MA			The same of the sa	TSC909	Choke		
	ECEA1HU4R7		- \$54.76F				TSC909: 3		Coil	
	The second secon		.48220pF			Language and Annual and Archard 2014	TSC909	the love of the same of The real	Coil	the state of the s
	ECKDNS221MB	and the state of	≒⊬.⊪ 220pF	Section 1	Contract to the second	Scholmpions; governor-separations as as as as as	TSC909	Choke		
CSIE	ECKDNS221MB		220pF			11	190707	GIIGHE		
	EEKF1H1037F		-0:016F			1055	TSC909	Choke	Coil	
	s Hust bebly		i eather.		198	21 1	TSC909	Choke		
C819			-0.100uF			3.1	TSC909	Choke		
	ECEA1EU222	in a proper service service	2200ciF 1000uF		25Y 35Y	41	TSC909	Choke		
	ECEA1VF102X	E					TSC909	Choke		
	ECOM1H823KV	P	0.082uF 0.01uF			III	100707	C T T C T T C C		
C853	ECKF1H103ZF	1	0.010	4	W0 V		TRANSFORMERS			
COS	ECCF1H330J	С	33pF	J	507		INANSFORMENS			PW SHEET FE
	ECEA2CS101	E	100uF		1604	1 C - C - C - C - W D 54	TLF14744F%		ck Tra	
	ECEA1EG221S	E	220uF		257	T502	TLH15412		ive Tr	
	ECEA1EG221S	E	220uF		257	11	ETS35k403A		rter T	
C86		C	0.01uF			The committee and the second second and the second	The second secon		rter D	
	down hard to a rote a star to the down to						ETS39K59A	Conve	rter O	utput
0843	ECKF1H103ZF	C	0.01uF	Z	507				Selection (Transfer	
	ECOM1H472KV	15	4700pF	K		11 1	DIODES			
	ECEA1EU3R3	E	3.3uF		25V		To the second second		<u> </u>	
C845	ECKF1H391KB	C	390pF	K	507		MA165	Diode		
	ECKF1H103ZF	C	0.01uF			D303	MA165	Diode	•	
						Д	- Language	***********		

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
D305	MA165	Diode	₩5 D 808	TVSES1Z -3.	DTede (ADDS) 6085
	MA165	Diode	700809	IN4003 2 (B168e!
BOEG	MA27TB	Diode	₩.DB10	TWSREP10JJ	Diode: 3x25 7x23
D310	MA165	Diode	V00811	ERB#4-08 35-	Diode. 7035,10al
D314	MA165	Diode	D812	TWSRGP10J9	Dicae:: 033 2043
					the state of the s
	MA165	Diode	1 Section and the strains of the Contraction of the		Zener Didde 460V
	MA165	Diode	Annahidest Taylor Sales Prairies		Posistor 20 5042
	MA4056M	Zener Diode 5.6V		LN38GP	LED
	MA4056M		\$25 P. C. S.		Difode: 4212 - 450
D319	MA165	Diode	DRIV	P6KE130A ::	Zenercolode 130V
D401	TVSRD16EB1	Zener Diode 16V	D851	EU2A	Diode
	MA165	Diode	D852		Diode
	IN4003	Diode	D853		Diode
1	MA165	Diode	D854		Diode
	TVSRD24EB1		The same of the sa	The state of the s	Zener Diode 16:2V
				and the second second in the second s	
D406	MA27T-A	Diode	D856	TVSRD6.2EB1	Zener Diode 6.2V
D407	MA165	Diode	D857	MA165	Diode
D408	MA165	Diode	D858	MA165	Diode
D409	MA165	Diode	D859	MA165	Diode
D501	MA165	Diode	D860	EU2Z	Diode
Selection of Selection State State Selection Selection	ESO1F Date 1	Diode::137	D861	TVSES1Z	Diode
	MA167	Diode		TRANSISTORS	
	AU01Z	Diode		TRANSISTORS	
	TVSES1	Diode	0201	25C1684-0.R	Audio Buffer
	M. B. Barrier	1000 100 100 100 100 100 100 100 100 10	0202		Audio Buffer
TARREST SANTON CONTRACTOR OF THE PARTY OF TH	TVSRGP10J	Diode:	411	25C1684-Q.R	Video Buffer
	MA165	Diode	9	25C1684-Q.R	Video Buffer
行法のない ちょうしゅうしょうか からばない はまけんるか	TVSRGF101	Drode	0303	2SA564-Q.R	Video Amp & Clamp
	MA27WA	Diodes Car Ace. Zener Diode 12V	0304	25A564-Q.R	Video Buffer
	I A SWATTERN	A SIME	0308	2SA564-0.R	Video Buffer
DELA	MA165	Diode	0351	2SC1473-QNC	Video Dut
	MA165	Diode		25C1473-QNC	Video Out
	MA165	Diode	11	2SC1473-QNC	Video Out
	MA165	Diode	-	12001470 0.70	71de0 0d0
1	MA165	Diode	0371	25C1684-0.R	Video Buffer
				2SC1684-Q.R	Differential Amp
D520	MA27WA	Diode		25C1684-Q.R	Differential Amp
	ERZC07DK221	Varister		29C16B4-Q.R	Chroma Buffer
	MA165	Diode	Q375	2SC1684-Q.R	Video Buffer
D524	MA165	Diode			
D801	EM2B reports	Diodeclass; too.	3	2SC1684-0.R	Trap Switch
4,50		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	411	2SC1684-0.R	Comb Switch
En-1440 (1947) Ref 286 (Walth Will St. 1878)	EM28	Diode	11	25C1383NC	Vertical Position
\$501, 30 - 4000 ca. Market 80, 400 marks	EM2B	Diodeo	[]	2SA564-Q.R	V-Sync Delay
	EMZR	Diade:	₩ 8403	2SC1684-0.R	V-Sync Delay
and the second s	MA1703 to 30	Diodelaras 1960	DE04	00044775	
D804	MA1068L045	Zener∃Diode∷ő.8V	M201	2SC1473AH	H. Drive

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
CVS-CVS-K	Z510 16 0 552 - E3	HEAGAETERS	S502	ESD32154	Sync Switch
0503	2SB774-0.R	Ext Sync Separate		ESB621282	Underscan Switch
0564		X=Ray#Erotector	/_IS861:	EVV6U8P25814	PowerZVal Control
0505	25C1684-0.R	Sync Separator		A TEXPONENTAL TO	
0506	29C1684-0.R	Sync Inverter		OTHERS	
	DDD4 (D (D D	Sync Buffer		A26JGZZIX	Picture Wube
	25C1684-0.R 25B774-0.R	Sync Differentiat		EAS65P34D	Speaker
	258774-0.R	H-Sync Delay		EAS65P34S	Speaker
	25D889-Q.R	H-Sync Delay		ERD25TLO	O ohm Resistor
Q510 Q511	28A564-Q.R	H-Sync Inverter		NO.18K	Mica Sheet/Q502
6311	25F367 W.N	11 wy 11 w 27 7 v w 1 w w 1			
0512	28A564-Q.R	H-Size Control		PAUC35601	Heat Sink/0801
	2SD1266	H-Size Control		TBL173303	Rubber Foot
	25C1684-Q.R	Burst ColorKiller		TBM17498	Panasonic Badge
	25D889-0.R	Sync Buffer		TBX1353500	Power/Vol Knob
0602	25A564-Q.R	Burst ColorKiller		TBX1353600	Front Cont Knob
	25A564-0.R	Burst ColorKiller		TBX2783100	Front Switch Knob
	29C3872	Converter But		THE391	Foot/SP Mounting
	25A885-R	Converter Drive	H	THN1948-2	Nut/SW801
	25D765-0.R	Current Protector		THT1004	CRT Mount Screw
0804	2501684-0.R	Error Detector		THW40807-9	Washer/SW801
		Converter Output		THW70033N	Washer/Headphones
	25C3300A 25C1383NC	Converter Drive		TJB13611	Terminal Board
Q852	25C1363NC	COUVELCE. D. 14		TJC6319	Fuse Holder
			11	TJS168980	4P Socket/CO-2B
I. C			TJS168990	5P Socket/CO-3A	
	AN5265	Audio Dut			
	AN5436N	H/V Osc. Drive		TJS169070	3P Socket/CO-1L
IC402	AN5515X	V. Out	1	TJS169071	3P Socket/CO-2L
IC501		Sync Delay		TJS169410	DC Power Socket
IC502	L78M12	8+ Regulator		TJS169680	2P Socket/CO-1B
The second secon		61 (11)		TJ51A4160	BNC Connector
IC601	AN5316N	Chroma/Video		T70105000	CRT Socket
	AN6780	Timer		TJS1A5080	Headphone Jack
	AN6913	ADDP IC		TJS1A8520	2P Socket/CO-5A
10853	AN5900	Converter Control		TJS1A8520	2P Socket/CO-4A
			1	TJS1A8570	7P Socket/CO-6A
	FILTERS			100177007	
X371	TAFTPS3.58MJ	3.58MHz Trap		TJS2A8430	VTR 8P Socket
X601		Crystal		TJS2AB730	RCA Jack
		1	4	TJT1398	L-Connect/X-1.2.3
	SWITCHES			TKA137901	Metal Cabinet
	7		4	TKE1312A02	Front Cabinet
	ESB621282	Comb/Trap Switch		m1 41 4 4 m m m m m	
	ESB621282	Line/VTR Switch		TKK139208	Handle
	ESB621282	Blue Only Switch		TKK139209-1	Handle Cover
	EVQR4AL13	Service Switch		TKP1312791	Rear Panel Control Panel
\$501	ESB621282	Pulse Cross SW		TKP1312801 TKS13329	Bottom Cover
				18010027	DOCCOM DUVE

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	TKU136701-1 TKZ138113-1 TKZ138114-1 TLC2042 TMM13592	Back Cover Mounting Metal(R) Mounting Metal(L) Convergence Yoke Rubber Cushion		XTC3+12AFN XTV3+8BFZ XTV3+8BFZ XWC4B XZB75X65C04	DC Socket Screw Rear Panel Screw Mounting Screw Tooth Lock Washer Set Cover
	TMM13902 TMM14416 TMM17538 TMX13402-1 TMX13430-1	LED Spacer Cord Bushing DY Wedge A-Board Clamper A-Board Spacer			
	TMX13935 TMX13936 TNP100306ZA TNP100307CD TNP100308ZA	Speaker Bracket Shield Case Hold Circuit Board-B Circuit Board-C Circuit Board-D			
	TNP100310ZA TNP100311CD TNP100312ZA TNP190018CD TPC1310701	Circuit Board-H Circuit Board-L Circuit Board-X Circuit Board-A Packing Case			
	T0B511103 T5X5125 TUC13789 TUC24557 TUC27735-1	Instruction Bag Power Cord Heat Sink/0851 DY Shield Case Heat Sink/IC402			
	TUC37746 TUW13421 TUX13276 TUX13598 TUX14605	Heat Sink/Q502 Power/Vol Bracket FBT Support Metal Control Fix Metal B-Board Support			
	TXAJT021030M TXAJT031030M TXAJT041000N	Coupler Kit/CO-1L Coupler Kit/CO-2L Coupler Kit/CO-1A Coupler Kit/CO-1B Coupler Kit/CO-3A			
	TXAPD011030M TXF3A011030M TXFHE01811	Coupler Kit/CO-2B Cushion Set CRT Ground Strap Mounting Screw Handl Mount Screw			
		Fuse 125V-3A/F801 Fuse 125V-8A/F851 Nut/Headphones Grounding Screw Termi Mount Screw			